

What is claimed is:

1. A feature-dependent operating method between mutually-connected equipments through a digital interface, comprising the steps of:

25 (a) requesting feature information of a connected equipment through the digital interface;

 (b) receiving the requested feature information through the digital interface and storing the received feature information; and

30 (c) performing a requested operation or not based on the stored feature information.

2. A method set forth in claim 1, wherein said step

(c) comprises the steps of:

(c1) judging on whether the data to be reproduced and transmitted are normally presented in the connected equipment based on the stored feature information; and

5 (c2) performing the requested operation based on the judgement, or transmitting a message informing a result of the judgement.

3. A method set forth in claim 2, wherein the message is about the format of the data to be transmitted.

10 4. A method set forth in claim 1, wherein the feature information is descriptor information including a system specification of a digital displaying equipment and characteristic information of video and audio data acceptable to the digital displaying equipment.

15 5. A method set forth in claim 4, wherein the system specification includes information on the resolution of the digital displaying equipment.

20 6. A method set forth in claim 4, wherein the characteristic information includes information on data format which is acceptable to the digital displaying equipment.

7. A feature-dependent operating method between mutually-connected equipments through a digital interface, comprising the steps of:

25 (a) requesting feature information of a connected equipment through the digital interface;

(b) receiving the requested feature information through the digital interface and storing the received feature information; and

30 (c) converting the format of data to be offered to the connected equipment by a requested operation based on the stored feature information, and transmitting the format-converted data.

8. A method set forth in claim 7, wherein said step (c) comprises the steps of:

(c1) judging on whether the data to be reproduced and transmitted are normally presented in the connected equipment based on the stored feature information; and

(c2) converting the format of the data into a format which is acceptable to the connected equipment based on the judgement, and transmitting the format-converted data.

9. A method set forth in claim 8, wherein said step (c2) further transmits a message informing that data format is converted.

10. An apparatus for controlling an operation between mutually-connected equipments through a digital interface, comprising:

a connecting means sending and receiving data through the digital interface;

a storing means storing feature information of a connected equipment received through said connecting means;

a data acquisition means obtaining video and/or audio data from a data storage medium;

a controlling means controlling said data acquisition means to or not to obtain data from the data storage medium based on the stored feature information; and

a transmitting means transmitting data obtained by said data acquisition means to the connected equipment through the digital interface.

11. An apparatus set forth in claim 10, wherein said controlling means judges on whether the data to be obtained and transmitted are normally presented in the connected equipment based on the stored feature information, and performs a requested operation or not based on the judgement.

12. An apparatus set forth in claim 10, wherein said

controlling means judges on whether the data to be obtained and transmitted are normally presented in the connected equipment based on the stored feature information, and transmits a message informing a result of the judgement
5 without performing a requested operation.

13. An apparatus set forth in claim 10, wherein said controlling means judges on whether the data to be obtained and transmitted are normally presented in the connected equipment based on the stored feature information, changes
10 the format of the data based on the stored feature information, and transmits the format-changed data.

14. A method for providing data between mutually-connected equipments through a digital interface, comprising the steps of:

15 (a) requesting feature information of a connected equipment through the digital interface;

(b) checking whether the requested feature information is received or not; and

(c) transmitting the data to be offered according to
20 a requested operation to the connected equipment in a format pre-specified for the connected equipment if the requested feature information is not received.

15. A method set forth in claim 14, wherein the connected equipment is a video displaying equipment or an
25 audio equipment which can accept digital data.

16. A method set forth in claim 14, wherein the pre-specified format is 2-channel LPCM.

17. A method set forth in claim 14, wherein said step (c) transmits data together with a message informing the
30 format of the transmitted data.

18. A method set forth in claim 14, further comprising the step of converting the format of the data to be offered into a format specified by an external request.

20
21 22

19. A method set forth in claim 14, wherein the pre-specified format is low-grade one applicable to the type of the connected equipment.

006290" 40090960

~~21~~
22

23